### Refine Search

### Search Results -

Terms	Documents
L12 and L7	8

US Pre-Grant Publication Full-Text Database

US Patents Full-Text Database

US OCR Full-Text Database

Database:

EPO Abstracts Database

JPO Abstracts Database

Derwent World Patents Index

IBM Technical Disclosure Bulletins

Search:





Refine Search







### Search History

DATE: Thursday, November 10, 2005 Printable Copy Create Case

Set Name Query side by

side

Hit Set Name result set

DB=PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD; THES=ASSIGNEE; PLUR=YES;

OP=OR

reviewed L13 L12 and 17

L12 l7 or 18 or 19 or 110 or 111

8 <u>L13</u> 3 1

50 L11

DB=USPT; THES=ASSIGNEE; PLUR=YES; OP=OR

(5103476 | 5592549 | 4932054 | 5047928 | 5337357 | 5724424 | 5909492 |

5005122 | 4961142 | 5710887 | 4891838 | 5794259 | 4937863 | 5757908 |

5050213 | 5014234 | 5845070 | 5940807 | 4529870 | 5113519 | 5897622 |

<u>L11</u> 5553143 | 4977594 | 5758068 | 5339091 | 5159182 | 5023907 | 5758069 | 5146499 | 5247575 | 5390297 | 5805802 | 3790700 | 5260999 | 5778173 |

5255106 | 4953209 | 5010571 | 5291596 | 5918213 | 5708709 | 5898777 |

4924378 | 5895454 | 4658093 | 5058164 | 5204897 | 5138712 | 5530752 |

5191193)![PN]

DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; THES=ASSIGNEE; PLUR=YES; OP=OR

	<u>L10</u>	('6073124'  'EP 715244A'  'US 6073124A'  '5715403'  'JP408263440A') [ABPN1,NRPN,PN,TBAN,WKU]	6	<u>L10</u>
1 L	<u>L9</u>	('6073124'  'EP 715244A'  'US 6073124A'  '5715403'  'JP408263440A')[URPN]	140	<u>L9</u>
closest_	L8 (	6073124.pn. or 5715403.pn.	5	<u>L8</u>
ref.	<u>L7</u>	L6 or 15	8	<u>L7</u>
•	<u>L6</u>	((encrypt\$ near3 (decrypt? adj2 key\$)) with public\$) and @ad<=19990327	8	<u>L6</u>
	<u>L5</u>	((encrypt\$ near3 (decrypt? adj2 key\$)) with public\$) and @pd<=19990327	2	<u>L5</u>
	<u>L4</u>	((encrypt\$ near5 (descript? adj3 key\$)) with public\$) and @pd<=19990327	0	<u>L4</u>
	<u>L3</u>	((encrypt\$ near5 (descript? adj3 key\$)) with public\$) and @ad<=19990327	0	<u>L3</u>
	<u>L2</u>	((encrypt\$ near3 (descript? adj2 key\$)) with public\$) and @ad<=19990327	0	<u>L2</u>
	L1	((encrypt\$ near3 (descript? adj2 key\$)) with public\$) and @pd<=19990327	0	L1

### **END OF SEARCH HISTORY**

### **Hit List**

First Hit Clear Generate Collection Print Fwd Refs Bkwd Refs

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Search Results - Record(s) 1 through 8 of 8 returned.

☐ 1. Document ID: US 20020063933 A1

Using default format because multiple data bases are involved.

L7: Entry 1 of 8

File: PGPB

May 30, 2002

PGPUB-DOCUMENT-NUMBER: 20020063933

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020063933 A1

TITLE: DATA TRANSMITTING APPARATUS

PUBLICATION-DATE: May 30, 2002

INVENTOR-INFORMATION:

NAME

CITY

STATE

COUNTRY

MAEDA, YASUAKI

**KANAGAWA** 

JΡ

FUJIIE, KAZUHIKO

KANAGAWA

JP

US-CL-CURRENT: 398/141; 398/140

Litani	Olaima   KodO	Attachmenta 01	Sequences	Reference	(*ata	Classification	Review	Front	Citation	Titl∈	Full

☐ 2. Document ID: US 20020044654 A1

L7: Entry 2 of 8

File: PGPB

Apr 18, 2002

PGPUB-DOCUMENT-NUMBER: 20020044654

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020044654 A1

TITLE: DATA TRANSMITTING APPARATUS AND DATA TRANSMITTING METHOD

PUBLICATION-DATE: April 18, 2002

INVENTOR-INFORMATION:

NAME

CITY

STATE

COUNTRY

MAEDA, YASUAKI

KANAGAWA

JP

FUJIIE, KAZUHIKO

KANAGAWA

JP

US-CL-CURRENT: 380/43

☐ 3. Document ID: US 20010049667 A1

L7: Entry 3 of 8

File: PGPB

Dec 6, 2001

PGPUB-DOCUMENT-NUMBER: 20010049667

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20010049667 A1

TITLE: ELECTRONIC CASH IMPLEMENTING METHOD AND EQUIPMENT USING USER SIGNATURE AND

RECORDING MEDIUM RECORDED THEREON A PROGRAM FOR THE METHOD

PUBLICATION-DATE: December 6, 2001

INVENTOR-INFORMATION:

NAME

CITY

STATE

COUNTRY

MORIBATAKE, HIDEMI

TOKYO

JP

OKAMOTO, TATSUAKI

TOKYO

J₽

US-CL-CURRENT: <u>705/69</u>

Full	Title	Citation	Front	Preview	Classification	(+ate	Reference	Sequences	Attachments	Claima	1-30010	[rraset [r
	4. I	Oocume	nt ID:	US 65	39364 B2							
L7:	: Ent	ry 4 of	8		Fi	le: [	JSPT			Mar 25,	, 200	)3

US-PAT-NO: 6539364

DOCUMENT-IDENTIFIER: US 6539364 B2

TITLE: Electronic cash implementing method and equipment using user signature and

recording medium recorded thereon a program for the method

Full	Title	Citation	Front	Review	Classification	Date	Reference	THE REAL PROPERTY.	P. # 100 SE	Clain	i <b>z</b> K	[66](]:	Cyramic !
	5 D	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	nt II):	TIC 62	91221 D1	***************************************	**********	*************	^*****************************	***************************************	*********	*********	***************************************
	5. D	ocume	nt ID:	US 63	81331 B1	*******	***************************************		**************************	<del>ANANDANA</del>		*********	*******

US-PAT-NO: 6381331

DOCUMENT-IDENTIFIER: US 6381331 B1

\*\* See image for Certificate of Correction \*\*

TITLE: Information sending system and method for sending encrypted information

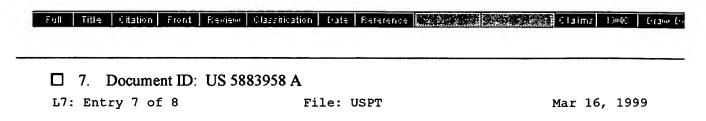
Full Title Citation Front Review	Classification Date Reference	Claims PMC Eraw Co
☐ 6. Document ID: US 60	72874 A	
L7: Entry 6 of 8	File: USPT	Jun 6, 2000

http://westbrs:9000/bin/gate.exe?f=TOC&state=k1btu1.8&ref=7&dbname=PGPB,USPT,U... 11/10/0

US-PAT-NO: 6072874

DOCUMENT-IDENTIFIER: US 6072874 A

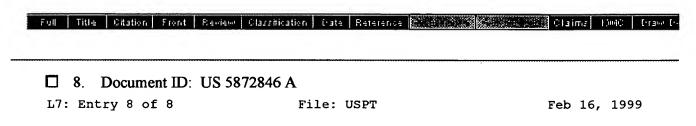
TITLE: Signing method and apparatus using the same



US-PAT-NO: 5883958

DOCUMENT-IDENTIFIER: US 5883958 A

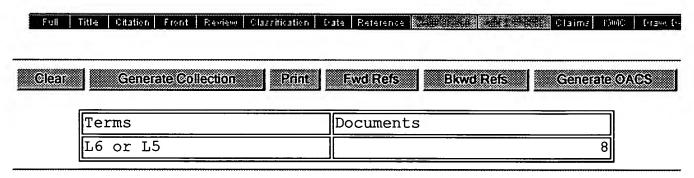
TITLE: Method and device for data decryption, a method and device for device identification, a recording medium, a method of disk production, and a method and apparatus for disk recording



US-PAT-NO: 5872846

DOCUMENT-IDENTIFIER: US 5872846 A

TITLE: System and method for providing security in data communication systems



<b>Display Format:</b>	-	Cha	inge Format
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Generate Collection Print

L7: Entry 1 of 8

File: PGPB

May 30, 2002

PGPUB-DOCUMENT-NUMBER: 20020063933

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020063933 A1

TITLE: DATA TRANSMITTING APPARATUS

PUBLICATION-DATE: May 30, 2002

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY

MAEDA, YASUAKI KANAGAWA JP FUJIIE, KAZUHIKO KANAGAWA JP

APPL-NO: 09/129266 [PALM]
DATE FILED: August 5, 1998

CONTINUED PROSECUTION APPLICATION: This is a publication of a continued prosecution application (CPA) filed under 37 CFR 1.53(d).

FOREIGN-APPL-PRIORITY-DATA:

COUNTRY APPL-NO DOC-ID APPL-DATE

JP P09-218621 1997JP-P09-218621 August 13, 1997

INT-CL: [07]  $\underline{H04}$   $\underline{B}$   $\underline{10/00}$ ,  $\underline{H04}$   $\underline{B}$   $\underline{10/12}$ 

US-CL-PUBLISHED: 359/173; 359/154 US-CL-CURRENT: 398/141; 398/140

REPRESENTATIVE-FIGURES: 1

### ABSTRACT:

The present invention is a data transmitting apparatus having a connector that allows a bidirectional communication to be accomplished with one optical cable.

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Print

L7: Entry 1 of 8

File: PGPB

May 30, 2002

DOCUMENT-IDENTIFIER: US 20020063933 A1 TITLE: DATA TRANSMITTING APPARATUS

# Application Filing Date: 19980805

### Detail Description Paragraph:

[0095] Output data of the interface 51 is sent to the receiver 53. Output data of the receiver 53 is sent to the message decoder 55. The message decoder 55 <u>decrypts</u> the common key Key 2 encrypted with the public key Key 1. Output data of the message decoder 55 is sent to the public key decrypting circuit 57. The public key decrypting circuit 57 decrypts the common key Key 2 with the public key Key 1 and the secret key received from the controller 59.

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Generate:Gollection Print

L7: Entry 3 of 8

File: PGPB

Dec 6, 2001

PGPUB-DOCUMENT-NUMBER: 20010049667

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20010049667 A1

TITLE: ELECTRONIC CASH IMPLEMENTING METHOD AND EQUIPMENT USING USER SIGNATURE AND

RECORDING MEDIUM RECORDED THEREON A PROGRAM FOR THE METHOD

PUBLICATION-DATE: December 6, 2001

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY

MORIBATAKE, HIDEMI TOKYO JP
OKAMOTO, TATSUAKI TOKYO JP

APPL-NO: 09/219447 [PALM]
DATE FILED: December 23, 1998

CONTINUED PROSECUTION APPLICATION: CPA

FOREIGN-APPL-PRIORITY-DATA:

COUNTRY APPL-NO DOC-ID APPL-DATE

JP 359106/97 1997JP-359106/97 December 26, 1997

INT-CL: [07] G06 F 17/60

US-CL-PUBLISHED: 705/69 US-CL-CURRENT: 705/69

REPRESENTATIVE-FIGURES: 1

### ABSTRACT:

A user registers a user public key PKU as a pseudonym at a trustee or issuer and obtains an signature for the pseudonym as a license. The sends the pseudonym, PKU identification information IdU and the amount of withdrawal x to the issuer institution. The issuer increments a balance counter of the pseudonym by x, then generates an issuer signature SKI(PKU, x) with a secret key SKI, and sends the issuer signature as an electronic cash to the user. The user verifies the validity of the issuer signature with a public key SKI, and if valid, increments an electronic cash balance counter Balance by x. At the time of payment, user sends the public key PKU and the license to a shop, and the shop verifies the validity of the license, and if valid, sends a challenge to the user. The user attaches a signature to the challenge with user secret key SKU, then sends it to the shop together with the amount due y, and decrements the electronic cash balance counter by y.

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L7: Entry 3 of 8

File: PGPB

Print

Dec 6, 2001

DOCUMENT-IDENTIFIER: US 20010049667 A1

TITLE: ELECTRONIC CASH IMPLEMENTING METHOD AND EQUIPMENT USING USER SIGNATURE AND RECORDING MEDIUM RECORDED THEREON A PROGRAM FOR THE METHOD

## Application Filing Date: 19981223

### Detail Description Paragraph:

[0136] The electronic cash system according to this embodiment is identical in configuration with that depicted in FIG. 13. According to the above-described third embodiment intended to ensure the protection of user privacy from the bank 200, in either of the procedures for the registration of the user for use of electronic cash (FIG. 14) and for the issuance of electronic cash (that is, the withdrawal procedure) (FIG. 15), the user's generated common key K and public key PKU are encrypted using the issuer public key PKI and sent to the issuer equipment 100 via the bank equipment 200, and the issuer equipment 100 decrypts the common key K from the encrypted key K, and uses the decrypted common key K to encrypt the signature that is sent to the user equipment 300. This fourth embodiment is common to the third embodiment in that the user sends the common ky after encrypting it with the issuer public key PKI in the user registration procedure, but differs in that the issuer stores its decrypted user common key in the storage device in correspondence with the user so that when the user makes a request for the issuance of electronic cash, it can encrypt its public key PKU and the amount of money x with the common key K instead of using the issuer public key PKI.

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L7: Entry 5 of 8

File: USPT

Go to Doc#

Apr 30, 2002

US-PAT-NO: 6381331

DOCUMENT-IDENTIFIER: US 6381331 B1

\*\* See image for Certificate of Correction \*\*

TITLE: Information sending system and method for sending encrypted information

DATE-ISSUED: April 30, 2002

INVENTOR-INFORMATION:

NAME

CITY STATE ZIP CODE COUNTRY

Kato; Takehisa Yokohama JP

ASSIGNEE-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY TYPE CODE

Kabushiki Kaisha Toshiba Kawasaki JΡ 03

APPL-NO: 09/166285 [PALM] DATE FILED: October 5, 1998

FOREIGN-APPL-PRIORITY-DATA:

COUNTRY APPL-NO

APPL-DATE

JΡ 9-272793 October 6, 1997

INT-CL: [07] G06 F 1/26

US-CL-ISSUED: 380/37; 380/277, 713/168, 713/200

US-CL-CURRENT: 380/37; 380/277, 713/168, 726/26, 726/28

ઃ 380/28, 380/29, 380/259, 380/277, 380/37, 713/168, 713/200

PRIOR-AR. SED:

U.S. PATENT DOCUMENTS

Search Selected Search ALL Clear

PAT-NO ISSUE-DATE PATENTEE-NAME US-CL

5517614 May 1996 Tajima et al. 395/180 5638445 June 1997 Spelman et al. 380/21

OTHER PUBLICATIONS

Shinichi Ikeno et al., "Modern Cryptography Theory", Ed., The Institute of

Electronics, Information and Communication Engineers, pp. 105-123. Eiji Okamoto, "Introduction to Theory of Cryptography", Kyoritsu Shuppan, pp. 88-99.

ART-UNIT: 2132

PRIMARY-EXAMINER: Peeso; Thomas R.

ATTY-AGENT-FIRM: Finnegan, Henderson, Farabow, Garrett & Dunner, L.L.P.

#### ABSTRACT:

This invention discloses an information sending system for sending encrypted information which can be decrypted in units of parts of information. This information sending system includes information segmentation means for segmenting information into a plurality of blocks, first encryption means for encrypting more than one blocks of the plurality of blocks using a first key, second encryption means for encrypting more than one blocks of the blocks other than those encrypted by the first encryption means using a second key, and information sending means for sending outgoing information including the blocks encrypted by the first encryption means and those encrypted by the second encryption means.

13 Claims, 15 Drawing figures

L7: Entry 5 of 8

File: USPT

Apr 30, 2002

DOCUMENT-IDENTIFIER: US 6381331 B1

\*\* See image for <u>Certificate of Correction</u> \*\*

TITLE: Information sending system and method for sending encrypted information

# Application Filing Date (1): 19981005

### Detailed Description Text (44):

The packet (mail addressed to B) stored in the mail server 25 is audited by the administrator C. That is, the administrator C <u>decrypts the key K1 encrypted</u> by his or her <u>public</u> key Kpc using his or her private key Ksc to extract the key K1. Note that the administrator C cannot extract the key K2. The administrator C decrypts only the blocks 4BC that can be decrypted by the extracted key K1 on the basis of the header information h and checks the contents (ST11).

### <u>Detailed Description Text</u> (46):

Upon receiving the mail, the receiver B decrypts and extracts the keys K1 and K2 encrypted by his or her public key Kpb using his or her private key Ksb. The blocks 4BC encrypted by the key K1 and blocks 4B encrypted by the key K2 are decrypted on the basis of the header information h. In this way, the receiver B can read all the pieces of information in the mail.

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### Generate Collection Print

L7: Entry 6 of 8

File: USPT

Jun 6, 2000

US-PAT-NO: 6072874

DOCUMENT-IDENTIFIER: US 6072874 A

TITLE: Signing method and apparatus using the same

DATE-ISSUED: June 6, 2000

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Shin; Kil-Ho Nakai-machi JP
Kobayashi; Kenichi Nakai-machi JP
Aratani; Toru Nakai-machi JP

ASSIGNEE-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY TYPE CODE

Fuji Xerox Co., Ltd. Tokyo JP 03

APPL-NO: 08/777047 [PALM]
DATE FILED: December 30, 1996

FOREIGN-APPL-PRIORITY-DATA:

COUNTRY APPL-NO APPL-DATE

JP 8-011568 January 26, 1996

Search Selected

INT-CL: [07] HO4 N 7/167

US-CL-ISSUED: 380/231; 380/229, 380/232, 380/278 US-CL-CURRENT: 380/231; 380/229, 380/232, 380/278

FIELD-OF-SEARCH: 380/4, 380/23, 380/25, 380/231, 380/232, 380/229, 380/278

PRIOR-ART-DISCLOSED:

### U.S. PATENT DOCUMENTS

Search ALL

Clear

PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
5050213	September 1991	Shear	380/25
<u>5457746</u>	October 1995	Dolphin	380/4
5537473	July 1996	Saward	380/16
5557679	September 1996	Julin et al.	380/23

<u>5727065</u>	March 1998	Dillon	380/49
<u>5742677</u>	April 1998	Pinder et al.	380/4
5825876	October 1998	Peterson, Jr.	380/4
<u>5845281</u>	December 1998	Benson et al.	707/9

#### FOREIGN PATENT DOCUMENTS

FOREIGN-PAT-NO

PUBN-DATE

COUNTRY

CLASS

4-334227

November 1992

JР

ART-UNIT: 276

PRIMARY-EXAMINER: Hayes; Gail O.

ASSISTANT-EXAMINER: Song; Ho S.

ATTY-AGENT-FIRM: Oliff & Berridge, PLC

### ABSTRACT:

The present invention provides a signing apparatus used for signing by a user on usage information of a source provided in a format made available by the use of key information. The apparatus includes a unit for generating the usage information which is to be signed, a unit for performing a first computation by utilizing the key information which has been encrypted and the usage information, a unit for performing a second computation by utilizing a user's private key and a result of the first computation. The apparatus further includes a unit for performing a third computation by utilizing a result of the second computation, and thereby generating the key information which has been decrypted and a result of the computation performed on the usage information by utilizing the user's private key. The apparatus further includes a unit for making the source available by utilizing the decrypted key information.

13 Claims, 4 Drawing figures

Generate Collection Print

L7: Entry 6 of 8

File: USPT

Jun 6, 2000

Review

DOCUMENT-IDENTIFIER: US (6072874)

TITLE: Signing method and apparatus using the same

Application Filing Date (1):
19961230

Detailed Description Text (9):

The secret key storing unit 32 stores a secret key D which makes a pair with the public key E. The decryption unit 33 decrypts key information K.sup.eE encrypted by the public keys E and e by utilizing the secret key D, and generates data K.sup.e. The concatenation computation unit 34 concatenates the data K.sup.e transmitted from the decryption unit 33 and a Hash value of the message by a predetermined computation and then transmits concatenated information to the authentication card 23. In the concatenated information, the encrypted key information k.sup.e is inseparable from the Hash value and they cannot be separated even if the key d stored in the authentication card 23 is used. In the authentication card 23, the computation is performed on the concatenated information by utilizing the key d, and the result of computation is provided to the separation computation unit 35.

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L7: Entry 7 of 8

File: USPT

Mar 16, 1999

US-PAT-NO: 5883958

DOCUMENT-IDENTIFIER: US 5883958 A

TITLE: Method and device for data decryption, a method and device for device identification, a recording medium, a method of disk production, and a method and apparatus for disk recording

DATE-ISSUED: March 16, 1999

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Ishiguro; Ryuji Tokyo JP Osawa; Yoshitomo Kanagawa JP

ASSIGNEE-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY TYPE CODE

Sony Corporation Tokyo JP 03

APPL-NO: 08/823176 [PALM]
DATE FILED: March 26, 1997

FOREIGN-APPL-PRIORITY-DATA:

COUNTRY APPL-NO APPL-DATE

JP 8-078647 April 1, 1996

JP 8-147272 June 10, 1996

INT-CL: [06] H04 K 1/00

US-CL-ISSUED: 380/4; 380/30, 380/20

US-CL-CURRENT: 705/57; 380/201, 380/30, 705/51

FIELD-OF-SEARCH: 380/4, 380/5, 380/9, 380/20, 380/23, 380/30, 380/21, 380/44

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

Search Selected Search All Clear

PAT-NO ISSUE-DATE PATENTEE-NAME US-CL

□ 5796839 August 1998 Ishiguro 380/44

□ 5802174 September 1998 Sako et al. 380/4

ART-UNIT: 276

PRIMARY-EXAMINER: Cain; David

ATTY-AGENT-FIRM: Frommer Lawrence & Haug LLP Frommer; William S.

#### ABSTRACT:

A video disk playback apparatus includes a disk driver which retrieves video data and a key data table from a digital video disk, and a decoder board which has its own ID. The disk driver receives the ID from the decoder board, verifies the ID, selects key data based on it, calculates a first datum from the selected key data, and sends the datum to the decoder board. The decoder board calculates a second datum from the key data and first datum, and returns the second datum to the disk driver. The disk driver verifies the second datum, produces an encryption key, encrypts the video data based on it, and feeds the encrypted video data to the decoder board. The decoder board calculates a decryption key from the first datum, decrypts the video data based on it, and decodes the decrypted video data for display.

23 Claims, 13 Drawing figures

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L7: Entry 7 of 8

File: USPT

Mar 16, 1999

DOCUMENT-IDENTIFIER: US 5883958 A

TITLE: Method and device for data decryption, a method and device for device identification, a recording medium, a method of disk production, and a method and apparatus for disk recording

Application Filing Date (1):

19970326

DATE ISSUED (1):

19990316

Detailed Description Text (62):

Namely, the encryption key decrypter 105 decrypts the encryption key Q from the encrypted x and y by using the private key n and public key p.



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### **End of Result Set**

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L7: Entry 8 of 8

File: USPT

Feb 16, 1999

US-PAT-NO: 5872846

DOCUMENT-IDENTIFIER: US 5872846 A

TITLE: System and method for providing security in data communication systems

DATE-ISSUED: February 16, 1999

INVENTOR-INFORMATION:

NAME

CITY

STATE

COUNTRY

Ichikawa; Bryan K.

Monument

CO

ASSIGNEE-INFORMATION:

NAME

CITY

STATE ZIP CODE COUNTRY TYPE CODE

ZIP CODE

Clear

MCI Communications Corporation

Washington DC

02

APPL-NO: 08/743786 DATE FILED: November 7, 1996

INT-CL: [06]  $\underline{H04}$   $\underline{K}$   $\underline{1}/\underline{00}$ 

US-CL-ISSUED: 380/23; 380/25

US-CL-CURRENT: 380/282; 380/239, 713/162

FIELD-OF-SEARCH: 380/23, 380/25

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

Search ALL

PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
4885777	December 1989	Takaragi et al.	380/30
4908861	March 1990	Brachtl et al.	380/25
4924513	May 1990	Herbison et al.	380/25
5450493	September 1995	Maher	380/30
5539828	July 1996	Davis	380/50
5588061	December 1996	Ganesan et al.	380/30
<u>5621796</u>	April 1997	Davis et al.	380/24

Search Selected

### OTHER PUBLICATIONS

Denning, Dorothy E. R., Cryptography and Data Security: Combining Block Ciphers, Ch. 15, 1982, Reading, MA:Addison-Wesley, reprinted 1983, pp. 357-358. Denning, Dorothy E. R., Cryptography and Data Security, 1982, Reading, MA: Addison-Wesley, reprinted 1983, pp. 10-15 & 108-109.

ART-UNIT: 276

PRIMARY-EXAMINER: Cain; David

#### ABSTRACT:

A system and method for providing security in data communication systems where multiple users are coupled to a common receiving system. The data is encrypted or otherwise encoded by a sender using a key. The encrypted data is then scrambled or otherwise encoded, and transmitted by the sender. The transmitted data is received at a receiver where it is descrambled or otherwise decoded. An authorized user decrypts or otherwise decodes the descrambled data using a key to retrieve clear data. The key itself is encrypted by the sender using an asymmetric encryption algorithm, and is then transmitted by the sender. The authorized user decrypts the encrypted key using the asymmetric encryption algorithm, and uses the key to decrypt the encrypted data.

22 Claims, 8 Drawing figures



# First Hit Fwd Refs End of Result Set

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L7: Entry 8 of 8

File: USPT

Feb 16, 1999

DOCUMENT-IDENTIFIER: US 5872846 A

TITLE: System and method for providing security in data communication systems

Application Filing Date (1):

19961107

DATE ISSUED (1):

19990216

Detailed Description Text (25):

FIG. 8 illustrates the encryption scheme of FIG. 7 incorporated in the present invention to provide a third level of security and also a unique signature of the sender. Specifically, FIG. 8 includes a sender 802, a key 804, a user's public key 808, a sender's private key 812, a user 820, a user's private key 824, a sender's public key 828 and a decrypted key 832. The sender 802 encrypts or otherwise encodes the key 804 using both the user's public key 808 and the sender's private key 812. The encrypted key is transmitted and is ultimately received by the user 820. The user 820 decrypts the encrypted key using the sender's public key 828 and the user's private key 824. The decrypted key 832 can then be used by the user 820 to decrypt the encrypted data of FIG. 3.

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### **Refine Search**

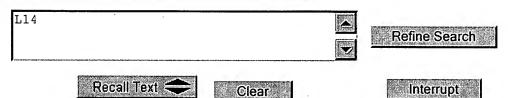
### Search Results -

Terms	Documents
L13 and L6	3

Database:

US Pre-Grant Publication Full-Text Database
US Patents Full-Text Database
US OCR Full-Text Database
EPO Abstracts Database
JPO Abstracts Database
Derwent World Patents Index
IBM Technical Disclosure Bulletins

Search:



### Search History

DATE: Thursday, November 10, 2005 Printable Copy Create Case

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Name Query
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  DB=PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD; THES=ASSIGNEE; PLUR=YES:
OP = OR
 L14 L13 and 16
                                                                                        3 L14
<u>L13</u> 19 or 110 or 111 or 112
                                                                                      196 L13
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      5005122 | 4961142 | 5710887 | 4891838 | 5794259 | 4937863 | 5757908 |
      5050213 | 5014234 | 5845070 | 5940807 | 4529870 | 5113519 | 5897622 |
      5553143 | 4977594 | 5758068 | 5339091 | 5159182 | 5023907 | 5758069 |
                                                                                       50 <u>L12</u>
      5146499 | 5247575 | 5390297 | 5805802 | 3790700 | 5260999 | 5778173 |
      5255106 | 4953209 | 5010571 | 5291596 | 5918213 | 5708709 | 5898777 |
      4924378 | 5895454 | 4658093 | 5058164 | 5204897 | 5138712 | 5530752 |
      5191193)![PN]
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OP = OR

<u>L11</u>	('6073124 <sup>'</sup>   'EP 715244A'  'US 6073124A'  '5715403'  'JP408263440A') [ABPN1,NRPN,PN,TBAN,WKU]	6	<u>L11</u>
<u>L10</u>	('6073124'  'EP 715244A'  'US 6073124A'  '5715403'  'JP408263440A')[URPN]	140	<u>L10</u>
<u>L9</u>	L8 ·	5	<u>L9</u>
<u>L8</u>	6073124.pn. or 5715403.pn.	5	<u>L8</u>
$DB^{:}$	=USPT; THES=ASSIGNEE; PLUR=YES; OP=OR		
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. <u>L5</u>	((encrypt\$ near5 (decrypt\$ adj3 key\$)) with public\$) and @ad<=19990327	573	<u>L5</u>
<u>L4</u>	(encrypt\$ near5 (decrypt\$ adj3 key\$)) and @ad<=19990327	2064	<u>L4</u>
<u>L3</u>	(encrypt\$ near5 (descript? adj3 key\$)) and @ad<=19990327	0	<u>L3</u>
<u>L2</u>	L1 ·	0	<u>L2</u>
DB	=USPT; THES=ASSIGNEE; PLUR=YES; OP=OR		
<u>L1</u>	((encrypt\$ near5 (descript? adj3 key\$)) and public\$) and @ad<=19990327	0	<u>L1</u>

### END OF SEARCH HISTORY

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Generate Collection Print

L14: Entry 1 of 3

File: USPT

Oct 25, 2005

DOCUMENT-IDENTIFIER: US 6959288 B1

TITLE: Digital content preparation system

# Application Filing Date (1): 19990201

### Detailed Description Text (351):

One Symmetric Key 623 are used for decrypting the watermarking instructions and the others for decrypting the Content 113 and any encrypted metadata. Since Content 113 can represent a single song or an entire collect of songs on a CD, a different Symmetric Key 623 may be used for each song. The watermarking instructions are included within the Metadata SC(s) 620 portion in the Order SC(s) 650. The Content 113 and encrypted metadata are in the Content SC(s) 630 at a Content Hosting Site (s) 111. The URL and part names of the encrypted Content 113 and metadata parts, within the Content SC(s) 630, are included in the Key Description part of the Metadata SC(s) 620 portion of the Order SC(s) 650. The Clearinghouse(s) 105 uses its private key to decrypt the Symmetric Keys 623 and then encrypts each of them using the Public Key 661 of the End-User Device(s) 109. The Public Key 661 of the End-User Device(s) 109. The new encrypted. Symmetric Keys 623 are included in the Key Description part of the License SC(s) 660 that the Clearinghouse(s) 105 returns to the End-User Device(s) 109.

<u>US Reference Patent Number</u> (56): 5715403

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Print

Generate Collection

L14: Entry 1 of 3

File: USPT

Oct 25, 2005

US-PAT-NO: 6959288

DOCUMENT-IDENTIFIER: US 6959288 B1

TITLE: Digital content preparation system

DATE-ISSUED: October 25, 2005

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Medina; Cesar

Boca Raton

FL

Gong; Qing

Boynton Beach

FL

Milsted; Kenneth Louis

Boynton Beach

FL

ASSIGNEE-INFORMATION:

NAME

STATE ZIP CODE COUNTRY TYPE CODE

International Business Machines

Armonk NY Corporation

02

APPL-NO: 09/241276 [PALM] DATE FILED: February 1, 1999

#### PARENT-CASE:

CROSS-REFERENCE TO RELATED APPLICATIONS This is a divisional of application Ser. No. 09/177,096, filed Oct. 22, 1998 now U.S. Pat. No. 6,389,538, which is a continuation-in-part of application Ser. No. 09/133,519, filed Aug. 13, 1998, now U.S. Pat. No. 6,226,618. The entire disclosure of prior application Ser. No. 09/177,096 is herein incorporated by reference. application ATTORNEY SERIAL TITLE OF DOC. NO. THE INVENTION INVENTOR(S) SE9-98-006 Secure Electronic Kenneth L. Content Management Milsted George Gregory Gruse Marco M. Hurtado Edgar Downs Cesar Medina SE9-98-007 Multimedia Player George Gregory Toolkit Gruse John J. Dorak, Jr. Kenneth L. Milsted SE9-98-010 Key Management Jeffrey B. Lotspiech System for End-User Marco M. Hurtado Digital Player George Gregory Gruse Kenneth L. Milsted SE9-98-011 Multi-media player for Marco M. Hurtado an Electronic Content George Gregory Delivery System Gruse Edgar Downs Kenneth L. Milsted SE9-98-013 A method to identify Kenneth L. Milsted CD content Craig Kindell Qing Gong SE9-98-014 Toolkit for delivering Richard Spagna electronic content from Kenneth L. Milsted an Online store. David P. Lybrand Edgar Downs SE9-98-015 A method and Kenneth L. Milsted apparatus to auto- Kha Kinh Nguyen matically create Qing Gong encode digital content SE9-98-016 A method and Kenneth L. Milsted apparatus to indicate Qing Gong an encoding rate for digital content

INT-CL: [07] G06 F 17/60

US-CL-ISSUED: 705/51; 705/52, 705/57, 709/217 US-CL-CURRENT: 705/51; 705/52, 705/57, 709/217

FIELD-OF-SEARCH: 705/51-54, 705/57-59, 380/3, 380/4, 380/24, 380/25, 380/201-202, 380/230-231, 709/231, 709/217, 709/229, 709/225, 709/232, 725/30-31, 725/87,

725/104

### PRIOR-ART-DISCLOSED:

### U.S. PATENT DOCUMENTS

Search ALL

Clear

Search Selected

	,			
	PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
	4200770	April 1980	Hellman et al.	
	4218582	August 1980	Hellman et al.	
	4272810	June 1981	Gates et al.	
	4405829	September 1983	Rivest et al.	
	4424414	January 1984	Hellman et al.	
	4463387	July 1984	Hashimoto et al.	
	<u>4528643</u>	July 1985	Freeny, Jr.	
	<u>4731840</u>	March 1988	Mniszewski et al.	
	4757534	July 1988	Matyas et al.	
	4782529	November 1988	Shima	
	4803725	February 1989	Horne et al.	
	4809327	February 1989	Shima	
	<u>4825306</u>	April 1989	Robers	
	<u>4868687</u>	September 1989	Penn et al.	
	4868877	September 1989	Fischer	
	4878246	October 1989	Pastor et al.	
	4879747	November 1989	Leighton et al.	
	4905163	February 1990	Garber et al.	•
	4926479	May 1990	Goldwasser et al.	
	4944006	July 1990	Citta et al.	
	4995082	February 1991	Schnorr	
	5005200	April 1991	Fischer	
	5130792	July 1992	Tindell et al.	
	<u>5159634</u>	October 1992	Reeds, III	
. [	<u>5214702</u>	May 1993	Fischer	
	5220604	June 1993	Gasser et al.	
	<u>5224163</u>	June 1993	Gasser et al.	
	5224166	June 1993	Hartman, Jr.	
	5260788	November 1993	Takano et al.	
	5261002	November 1993	Perlman et al.	

	5276901	January 1994	Howell et al.	
П	5315658	May 1994	Micali	
	5319705	June 1994	Halter et al.	
	5347580	September 1994	Molva et al.	
	5355302	October 1994	Martin et al.	
	5369705	November 1994	Bird et al.	
	5371794	December 1994	Diffie et al.	
	5412717	May 1995	Fischer	
	5420927	May 1995	Micali	
	5497421	March 1996	Kaufman et al.	
	5509071	April 1996	Petrie, Jr. et al.	
	5519778	May 1996	Leighton et al.	
	5537475	July 1996	Micali	
	5557541	September 1996	Schulhof et al.	
	5581479	December 1996	McLaughlin et al.	
	<u>5588060</u>	December 1996	Aziz	
<u></u> !	5592664	January 1997	Starkey	
	5604804	February 1997	Micali	
, and	5606617	February 1997	Brands	
	5636139	June 1997	McLaughlin et al.	
	5646997	July 1997	Barton	380/201
	5666420	September 1997	Micali	
	5673316	September 1997	Auerbach et al.	
	5675734	October 1997	Hair	
	<u>5710887</u>	January 1998	Chelliah et al.	
	<u>5715403</u>	February 1998	Stefik	705/54
	<u>5796841</u>	August 1998	Cordery et al.	
	<u>5812790</u>	September 1998	Randall	395/200.77
	5845281	December 1998	Benson et al.	707/9
	<u>5889952</u>	March 1999	Hunnicutt et al.	395/200.49
	5892900	April 1999	Ginter et al.	
	<u>5922074</u>	July 1999	Richard et al.	713/200
	5982891	November 1999	Ginter et al.	380/4
	<u>5983267</u>	November 1999	Shklar et al.	709/217
	6088717	July 2000	Reed et al.	709/229
	6141754	October 2000	Choy	705/52
	6151624	November 2000	Teare et al.	709/217
				•

### FOREIGN PATENT DOCUMENTS

FOREIGN-PAT-NO	PUBN-DATE	COUNTRY	CLASS
WO-97/15018	April 1997	WO	
WO 97/43717	November 1997	WO	
WO 98/13970	April 1998	WO	

### OTHER PUBLICATIONS

Malloy, Amy, "Data Mart Dynamics: Tutorial", Computerworld, vol. 31, No. 38, Sep. 22, 1997, pp 99-102.

IBM Technical Disclosure Bulletin, "Structured Metadata for Application Specific Viewers for Streamed Internet Video/Audio", Oct. 1997, vol. 40, Issue 10, pp. 123-128.

Anonymous, "BRIO TECHNOLOGY: Brio Technology Partners With Ardent in Metadata Integration Program", Dialog File 636:Newsletter DB, Nov. 2, 1998.

J. Linn, "Privacy Enhancement for Internet Electronic Mail: Part I: Message Encryption and Authentication Procedures", RFC 1421, Feb., 1993, pp. 1-37.

S. Kent, "Privacy Enhancement for Internet Electronic Mail: Part II: Certificate-Based Key Management". RFC 1422, Feb., 1993, pp. 1-28.

D. Balenson, "Privace Enhancement for Internet Electronic Mail: Part III: Algorithms, Modes, and Indentifiers", RFC 1423, Feb. 1993, pp. 1-13.

B. Kaliski, "Privacy Enhancement for Internet Electronic Mail: Part IV: Key Certification and Related Services", RFC 1424, Feb. 1993, pp. 1-8.

ART-UNIT: 3621

PRIMARY-EXAMINER: Hayes; John W.

ATTY-AGENT-FIRM: Shofi; David M. Bongini; Stephen Fleit, Kain, Gibbons, Gutman, Bongini & Bianco P.L.

### ABSTRACT:

A digital content preparation system that includes a metadata acquisition tool for acquiring metadata associated with the digital content, and a digital content processor for processing the digital content by performing at least one of watermarking, encoding, and encrypting. A work flow manager manages processings by the metadata acquisition tool and the digital content processor. In one preferred embodiment, the metadata acquisition tool includes an automatic metadata acquisition tool and a manual metadata acquisition tool, and the digital content processor includes an encoder and an encrypter. The present invention also provides a method for preparing digital content. According to the method, metadata associated with the digital content is acquired, and the digital content is processed by at least one of watermarking, encoding, and encrypting. Processings in the acquiring step and the processing step are managed. In a preferred method, the acquiring step includes automatically retrieving at least a portion of the metadata and allowing manual entry of at least a portion of the metadata, and the processing step includes encoding the digital content and encrypting the encoded digital content.

47 Claims, 21 Drawing figures

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L14: Entry 2 of 3

File: USPT

Jan 27, 2004

DOCUMENT-IDENTIFIER: US 6684198 B1

TITLE: Program data distribution via open network

Application Filing Date (1):
19970903

Detailed Description Text (24):

For <u>decryption</u>, the <u>public key used for encryption</u> and the secret key must correspond to each other. In this embodiment, therefore, the identification (ID) number of a program is employed to determine whether the public key and the secret key correspond.

<u>US Reference Patent Number</u> (8): 5715403

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**End of Result Set** 

: Generate Collection ...

L14: Entry 3 of 3

File: USPT

Apr 16, 2002

US-PAT-NO: 6374357

DOCUMENT-IDENTIFIER: US 6374357 B1

\*\* See image for Certificate of Correction \*\*

TITLE: System and method for regulating a network service provider's ability to host distributed applications in a distributed processing environment

DATE-ISSUED: April 16, 2002

INVENTOR-INFORMATION:

NAME

CITY

STATE ZIP CODE

COUNTRY

Mohammed; Sohail B.

North Bend

WA

Olson; Kipley J.

Seattle

WA

ASSIGNEE-INFORMATION:

NAME

CITY

Search Selected

STATE ZIP CODE COUNTRY

TYPE CODE

705/54

Microsoft Corporation

Redmond

WA

02

APPL-NO: 09/061573 [PALM] DATE FILED: April 16, 1998

INT-CL: [07] G06 F 11/30

US-CL-ISSUED: 713/201; 709/328, 463/42, 713/176 US-CL-CURRENT: <u>726/5</u>; <u>463/42</u>, <u>713/176</u>, <u>719/328</u>

June 1997

FIELD-OF-SEARCH: 713/150, 713/165, 713/167, 713/176, 713/200, 713/201, 713/193, 705/51, 705/52, 705/59, 705/55, 705/54, 705/57, 709/217, 709/218, 709/219, 709/225, 709/226, 709/229, 709/227, 709/228, 709/328, 709/230, 709/329, 463/1, 463/40,

463/41, 463/42

5638443

PRIOR-ART-DISCLOSED:

#### U.S. PATENT DOCUMENTS

Search ALL

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•			
PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
5138712	August 1992	Corbin	713/200
5438508	August 1995	Wyman	705/8
<u>5629980</u>	May 1997	Stefik et al.	705/54

Stefik et al.

<u>5715403</u>	February 1998	Stefik	705/44
<u>5958051</u>	September 1999	Renaud et al.	713/200
6058383	May 2000	Narasimhalu et al.	705/44
6134659	October 2000	Sprong et al.	713/190
<u>6188995</u>	February 2001	Garst et al.	705/59
6233684	May 2001	Stefik et al.	713/176

### OTHER PUBLICATIONS

Lai et al, "Endorsements, Licensing, Insurance for Distributed System Services," Mar. 1995, pp. 1-12.\*

"Microsoft incorporates new anti-piracy technologies in Windows 2000, Office 200: New Internet monitoring program also intended to protect consumers and honest resellers from mounting problems of software piracy", 2/2000, M2 Communications Ltd., dialog t.

ART-UNIT: 2131

PRIMARY-EXAMINER: Hayes; Gail

ASSISTANT-EXAMINER: Revak; Christopher A.

ATTY-AGENT-FIRM: Workman, Nydegger, Seeley

### ABSTRACT:

The present invention is directed to a novel system and method for regulating a network service provider's ability to provide network services to a distributed application executing on a network connected computer, which is dependent upon whether the NSP possesses a valid permit. The permit is a data structure created by a vendor or distributor of a distributed application. The vendor can selectively issue a permit to the NSP (or NSPs) for which authorization is being granted. When the distributed application is being executed at a client computer, and the services of a particular NSP are requested, an application running at the client first requests that the NSP provide the client with a valid permit. If the permit is valid and authentic, and the identity of the NSP is confirmed, then the application executing at the client will permit the distributed application to utilize the network services of the selected NSP.

### 21 Claims, 7 Drawing figures

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**End of Result Set** 

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L14: Entry 3 of 3

File: USPT

Apr 16, 2002

US-PAT-NO: 6374357

DOCUMENT-IDENTIFIER: US 6374357 B1

\*\* See image for Certificate of Correction \*\*

TITLE: System and method for regulating a network service provider's ability to host distributed applications in a distributed processing environment

DATE-ISSUED: April 16, 2002

INVENTOR-INFORMATION:

NAME CITY

STATE ZIP CODE COUNTRY

Mohammed; Sohail B.

Olson; Kipley J.

Seattle

.

ASSIGNEE-INFORMATION:

NAME

CITY STATE ZIP CODE COUNTRY TYPE CODE

WA

WA

Microsoft Corporation Redmond WA 02

North Bend

APPL-NO: 09/061573 [PALM]
DATE FILED: April 16, 1998

INT-CL: [07] G06 F 11/30

US-CL-ISSUED: 713/201; 709/328, 463/42, 713/176 US-CL-CURRENT: 726/5; 463/42, 713/176, 719/328

FIELD-OF-SEARCH: 713/150, 713/165, 713/167, 713/176, 713/200, 713/201, 713/193, 705/51, 705/52, 705/59, 705/55, 705/54, 705/57, 709/217, 709/218, 709/219, 709/225, 709/230, 709/2000, 709/2000, 709/2000, 709/2000, 709/2000, 709/2000, 709/2000, 709/2000, 70

709/226, 709/229, 709/227, 709/228, 709/328, 709/230, 709/329, 463/1, 463/40,

463/41, 463/42

PRIOR-ART-DISCLOSED:

### U.S. PATENT DOCUMENTS

Search ALL

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PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
5138712	August 1992	Corbin	713/200
5438508	August 1995	Wyman	705/8
<u>5629980</u>	May 1997	Stefik et al.	705/54
5638443	June 1997	Stefik et al.	705/54

Search Selected

	<u>5715403</u>	February 1998	Stefik	705/44
Γ.	5958051	September 1999	Renaud et al.	713/200
	6058383	May 2000	Narasimhalu et al.	705/44
	6134659	October 2000	Sprong et al.	713/190
	6188995	February 2001	Garst et al.	705/59
	6233684	May 2001	Stefik et al.	713/176

#### OTHER PUBLICATIONS

Lai et al, "Endorsements, Licensing, Insurance for Distributed System Services," Mar. 1995, pp. 1-12.\*

"Microsoft incorporates new anti-piracy technologies in Windows 2000, Office 200: New Internet monitoring program also intended to protect consumers and honest resellers from mounting problems of software piracy", 2/2000, M2 Communications Ltd., dialog t.

ART-UNIT: 2131

PRIMARY-EXAMINER: Hayes; Gail

ASSISTANT-EXAMINER: Revak; Christopher A.

ATTY-AGENT-FIRM: Workman, Nydegger, Seeley

### ABSTRACT:

The present invention is directed to a novel system and method for regulating a network service provider's ability to provide network services to a distributed application executing on a network connected computer, which is dependent upon whether the NSP possesses a valid permit. The permit is a data structure created by a vendor or distributor of a distributed application. The vendor can selectively issue a permit to the NSP (or NSPs) for which authorization is being granted. When the distributed application is being executed at a client computer, and the services of a particular NSP are requested, an application running at the client first requests that the NSP provide the client with a valid permit. If the permit is valid and authentic, and the identity of the NSP is confirmed, then the application executing at the client will permit the distributed application to utilize the network services of the selected NSP.

### 21 Claims, 7 Drawing figures

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Generate Collection

L14: Entry 3 of 3

File: USPT

Apr 16, 2002

DOCUMENT-IDENTIFIER: US 6374357 B1

### \*\* See image for Certificate of Correction \*\*

TITLE: System and method for regulating a network service provider's ability to host distributed applications in a distributed processing environment

## <u>Application Filing Date</u> (1): 19980416

### <u>Detailed Description Text</u> (28):

In the exemplary embodiment of FIG. 4, this NSP authentication information is submitted at program step 162 in the form of a "public certificate" that is owned by the NSP 110 and provided to the application vendor 126, as is schematically shown at 164 in FIG. 4. This certificate (designated at 142 in FIG. 3) is then appended to the permit at program step 156. The certificate, sometimes referred to as a "digital certificate" or a "public key certificate," is an electronic data record that identifies an entity (such as the NSP, for example), and also serves to verify that a specific public key (for decryption) and private key (for encryption) belongs to that particular entity. Typically a certificate is issued to an entity by a Certification Authority (CA) only after that Authority has verified that the specified keys belong to that entity. In the preferred embodiment, this certificate is then provided to the application vendor 126 so that the NSP's 110 public key can be included within the permit 132 at program step 156. As will be discussed in further detail below, it is this public key that is later used to confirm that the NSP that provides a permit 132 is indeed the NSP to which the permit was issued.

 $\frac{\text{US Reference Patent Number}}{5715403}$  (5):

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**Search Results -** Record(s) 1 through 10 of 13 returned.

☐ 1. Document ID: US 6959288 B1

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L18: Entry 1 of 13

File: USPT

Oct 25, 2005

US-PAT-NO: 6959288

DOCUMENT-IDENTIFIER: US 6959288 B1

TITLE: Digital content preparation system

DATE-ISSUED: October 25, 2005

INVENTOR-INFORMATION:

NAME

CITY

STATE ZIP CODE C

COUNTRY

Medina; Cesar

Boca Raton

FL

Gong; Qing

Boynton Beach

FL

Milsted; Kenneth Louis

Boynton Beach

FL

US-CL-CURRENT: <u>705/51</u>; <u>705/52</u>, <u>705/57</u>, <u>709/217</u>

Full Title Citation Front Review Classification Date Reference Sequences Attachnorits Claims KWIC Draw De

1. 2. Document ID: US 6684198 B1

L18: Entry 2 of 13 File: USPT Jan 27, 2004

US-PAT-NO: 6684198

DOCUMENT-IDENTIFIER: US 6684198 B1

TITLE: Program data distribution via open network

Full Title Citation Front Review Classification Date Reference Attachnesis Claims KMC Draw De

3. Document ID: US 6374357 B1
L18: Entry 3 of 13 File: USPT Apr 16, 2002

US-PAT-NO: 6374357

DOCUMENT-IDENTIFIER: US 6374357 B1

\*\* See image for Certificate of Correction \*\*

TITLE: System and method for regulating a network service provider's ability to

Record List Display Page 2 of 3

host distributed applications in a distributed processing environment

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims KWC Draw De 

1 4. Document ID: US 6141754 A

L18: Entry 4 of 13 File: USPT Oct 31, 2000

US-PAT-NO: 6141754

DOCUMENT-IDENTIFIER: US 6141754 A

TITLE: Integrated method and system for controlling information access and

distribution

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims KMC Drawn De 5. Document ID: US 6073124 A
L18: Entry 5 of 13 File: USPT Jun 6, 2000

US-PAT-NO: 6073124

DOCUMENT-IDENTIFIER: US 6073124 A

TITLE: Method and system for securely incorporating electronic information into an

online purchasing application

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims KWIC Draw De

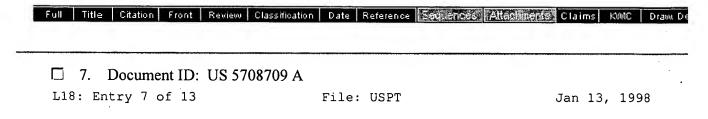
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L18: Entry 6 of 13 File: USPT May 26, 1998

US-PAT-NO: 5757908

DOCUMENT-IDENTIFIER: US 5757908 A

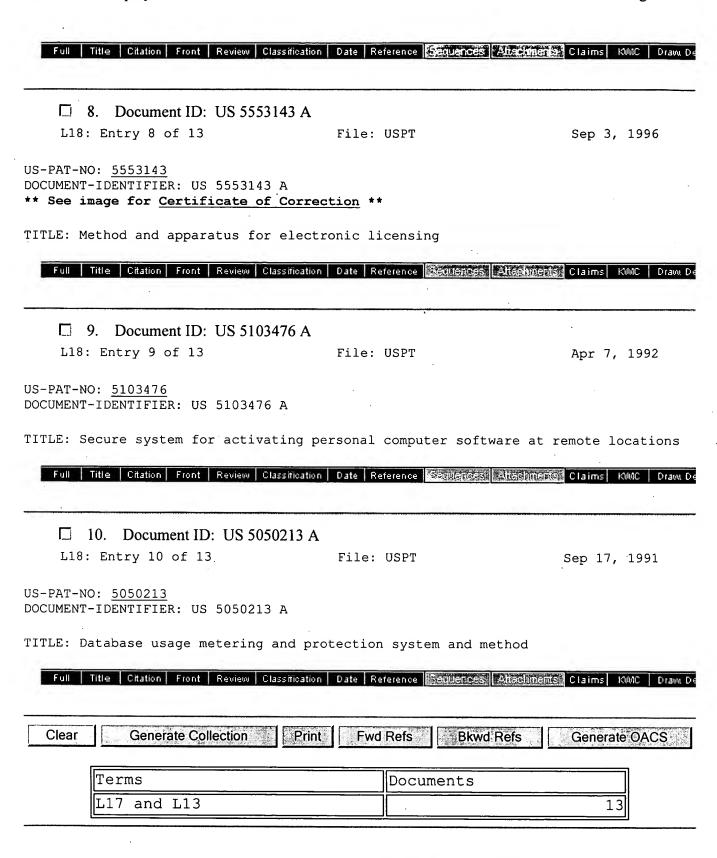
TITLE: Method and apparatus for enabling trial period use of software products: method and apparatus for utilizing an encryption header



US-PAT-NO: 5708709

DOCUMENT-IDENTIFIER: US 5708709 A

TITLE: System and method for managing try-and-buy usage of application programs



Display Format: - Change Format \*

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### Hit List

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**Search Results** - Record(s) 1 through 10 of 10 returned.

☐ 1. Document ID: US 6141754 A

Using default format because multiple data bases are involved.

L19: Entry 1 of 10

File: USPT

Oct 31, 2000

US-PAT-NO: 6141754

DOCUMENT-IDENTIFIER: US 6141754 A

TITLE: Integrated method and system for controlling information access and

distribution

DATE-ISSUED: October 31, 2000

INVENTOR-INFORMATION:

NAME

CITY

STATE

ZIP CODE

COUNTRY

Choy; David M.

Los Altos

CA

US-CL-CURRENT: 726/1; 705/52, 705/59

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims KWC Draw. De

☐ 2. Document ID: US 6073124 A

L19: Entry 2 of 10

File: USPT

Jun 6, 2000

US-PAT-NO: 6073124

DOCUMENT-IDENTIFIER: US 6073224 A

TITLE: Method and system for securely incorporating electronic information into an

online purchasing application

Full Title Citation Front Review Classification Date Reference **Sequences Attachments** Claims KMC Draw De

☐ 3. Document ID: US 5757908 A

L19: Entry 3 of 10

File: USPT

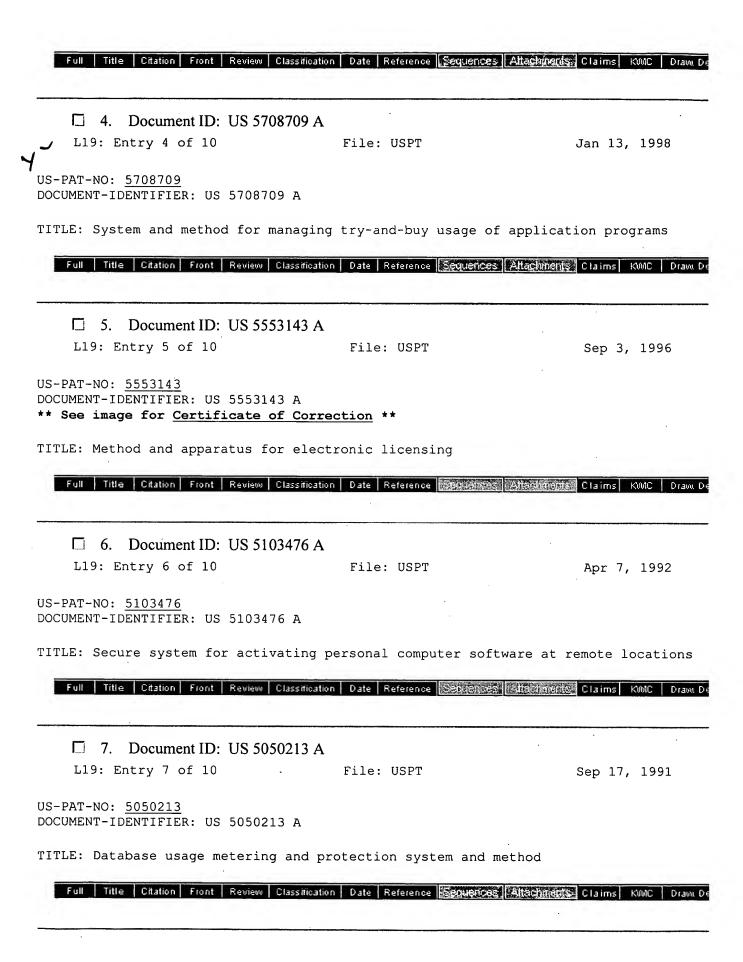
May 26, 1998

US-PAT-NO: 5757908

DOCUMENT-IDENTIFIER: US 5757908 A

TITLE: Method and apparatus for enabling trial period use of software products:

method and apparatus for utilizing an encryption header



□ 8. Document ID: US 5047928 A

L19: Entry 8 of 10

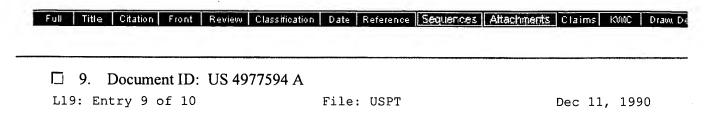
File: USPT

Sep 10, 1991

US-PAT-NO: 5047928

DOCUMENT-IDENTIFIER: US 5047928 A

TITLE: Billing system for computer software

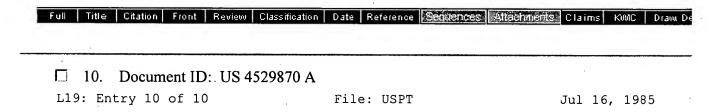


US-PAT-NO: 4977594

DOCUMENT-IDENTIFIER: US 4977594 A

\*\* See image for Certificate of Correction \*\*

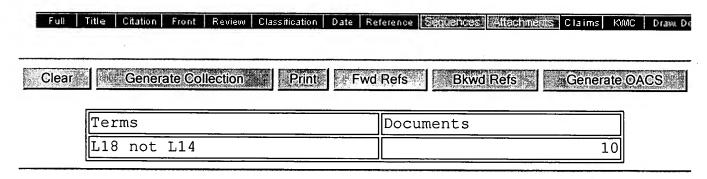
TITLE: Database usage metering and protection system and method



US-PAT-NO: 4529870

DOCUMENT-IDENTIFIER: US 4529870 A

TITLE: Cryptographic identification, financial transaction, and credential device



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